

SEQUENCE LISTING

<110> Wiles, Michael V.
Baribault, Helene
Zhang, Qin

<120> TRANSGENIC MICE CONTAINING ALPHA
ENDOSULFINE GENE DISRUPTIONS

<130> R-948

<140> UNASSIGNED

<141> HEREWITH

<150> US 60/256,195

<151> 2000-12-13

<160> 7

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 366

<212> DNA

<213> Mus musculus

<400> 1

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tacccaagcc taggacaaaa gcctggaggc tccgacttcc tcatgaagag actccagaaa 180
gggcaaaagt actttgactc aggagactac aacatggcca aagccaagat gaagaacaag 240
cagctgccaa gtgcaggagc agacaagaac ctggtgaccg gtgaccacat cccaccccca 300
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<210> 2

<211> 121

<212> PRT

<213> Mus musculus

<400> 2

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Glu Glu Ala Lys Leu Lys Ala Lys Tyr Pro Ser Leu Gly Gln Lys Pro
  35          40          45
Gly Gly Ser Asp Phe Leu Met Lys Arg Leu Gln Lys Gly Gln Lys Tyr
  50          55          60
Phe Asp Ser Gly Asp Tyr Asn Met Ala Lys Ala Lys Met Lys Asn Lys
  65          70          75          80
Gln Leu Pro Ser Ala Gly Ala Asp Lys Asn Leu Val Thr Gly Asp His
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Ser Lys Leu Ala Gly Gly Gln Val Glu
  115         120
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<210> 3
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 3
 Met Ser Gln Lys Gln Glu Glu Glu Asn Pro Ala Glu Glu Thr Gly Glu
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 Glu Lys Gln Asp Thr Gln Glu Lys Glu Gly Ile Leu Pro Glu Arg Ala
 20 25 30
 Glu Glu Ala Lys Leu Lys Ala Lys Tyr Pro Ser Leu Gly Gln Lys Pro
 35 40 45
 Gly Gly Ser Asp Phe Leu Met Lys Arg Leu Gln Lys Gly Gln Lys Tyr
 50 55 60
 Phe Asp Ser Gly Asp Tyr Asn Met Ala Lys Ala Lys Met Lys Asn Lys
 65 70 75 80
 Gln Leu Pro Ser Ala Gly Pro Asp Lys Asn Leu Val Thr Gly Asp His
 85 90 95
 Ile Pro Thr Pro Gln Asp Leu Pro Gln Arg Lys Ser Ser Leu Val Thr
 100 105 110
 Ser Lys Leu Ala Gly Gly Gln Val Glu
 115 120

<210> 4
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 4
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 1 5 10 15
 Glu Lys Gln Asp Thr Gln Glu Lys Glu Gly Ile Leu Pro Glu Arg Ala
 20 25 30
 Glu Glu Ala Lys Leu Lys Ala Lys Tyr Pro Ser Leu Gly Gln Lys Pro
 35 40 45
 Gly Gly Ser Asp Phe Leu Met Lys Arg Leu Gln Lys Gly Gln Lys Tyr
 50 55 60
 Phe Asp Ser Gly Asp Tyr Asn Met Ala Lys Ala Lys Met Lys Asn Lys
 65 70 75 80
 Gln Leu Pro Ser Ala Gly Pro Asp Lys Asn Leu Val Thr Gly Asp His
 85 90 95
 Ile Pro Thr Pro Gln Asp Leu Pro Gln Arg Lys Ser Ser Leu Val Thr
 100 105 110
 Ser Lys Leu Ala Gly
 115

<210> 5
 <211> 83
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> RACE sequence

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 gccgtagcat tagctcaggt tgt 83

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<211> 200
<212> DNA
<213> Artificial Sequence

<220>
<223> Targeting Vector

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tgtgggtcac tctctttccc gggtgggtgtt ctagcttgcc tgcgctcta aagaatccgc 120
ccacctccgg ccaacgttta ttggtgtgtc gttacatcat tgccccgtca agccactct 180
cattggctct cataggaggg 200

<210> 7
<211> 200
<212> DNA
<213> Artificial Sequence

<220>
<223> Targeting Vector

<400> 7
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tcccggaccc tgcattacac agtccccggt ctgccatgtc ccagaaacaa gaagaagaaa 180
accctgcgga ggagaccggc 200